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(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]**; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VAN DELDEN,**

Martinus, H., W., M. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). CORNELISSEN, Hugo, J. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

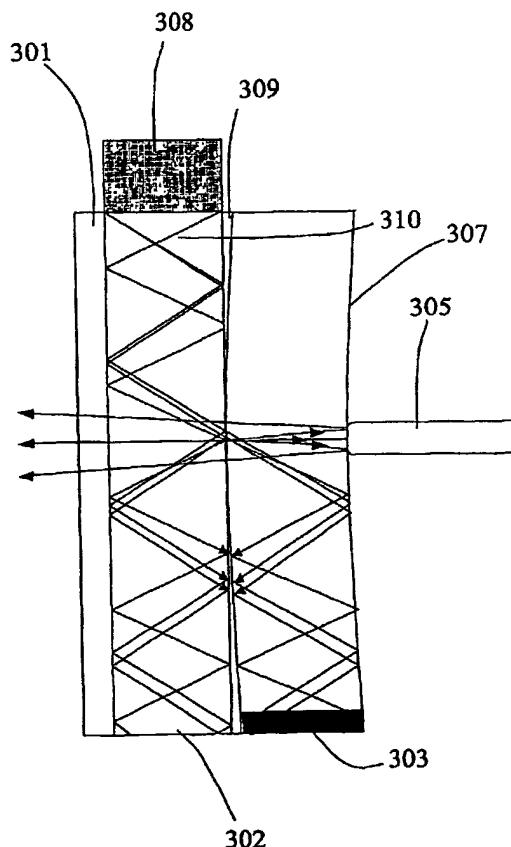
(74) Agent: **ELEVLED, Koop, J.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).**

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(54) Title: **TOUCH INPUT SCREEN USING A LIGHT GUIDE**



(57) Abstract: The present invention relates to a display device having a touch screen (301). The touch screen comprises a first light guide (302), a second light guide (307) and a media (309) between the light guides for eliminating interference and reflections. A light source (308) is arranged to emit light (310) into the first light guide (302), which light is normally confined within the first light guide by means of total internal reflection. The second light guide (307) is arranged at the exterior face of the first light guide (302). When a user of the display device establishes physical contact with the touch screen (301), light is extracted from the first light guide and directed towards light detecting means (303). The light detecting means (303) are arranged for relating a light detecting event to an input position on the touch screen (301), where user interaction occurred.

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